

3/24/2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1612rxd

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS	23	MAR 03	MEDLINE and LMEADLINE reloaded
NEWS	24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	25	MAR 03	FRANCEPAT now available on STN
NEWS	EXPRESS		MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS	HOURS		STN Operating Hours Plus Help Desk Availability
NEWS	INTER		General Internet Information
NEWS	LOGIN		Welcome Banner and News Items
NEWS	PHONE		Direct Dial and Telecommunication Network Access to STN
NEWS	WWW		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 16:28:20 ON 24 MAR 2004

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 16:28:28 ON 24 MAR 2004

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STRUCTURE FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0

DICTIONARY FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

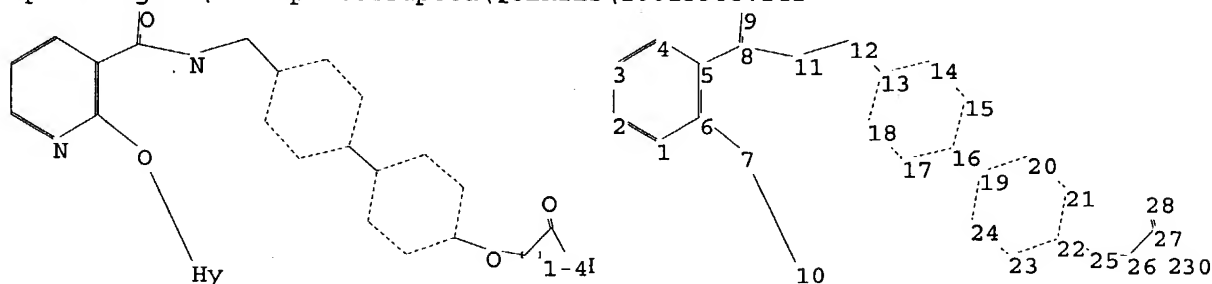
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10613988.str



chain nodes :

7 8 9 10 11 12 25 26 27 28 29 30

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18 19 20 21 22 23 24

10613988

3/24/2004

chain bonds :

5-8 6-7 7-10 8-9 8-11 11-12 12-13 16-19 22-25 25-26 26-27 27-28 27-29  
29-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18 19-20  
19-24 20-21 21-22 22-23 23-24

exact/norm bonds :

6-7 7-10 8-9 8-11 11-12 13-14 13-18 14-15 15-16 16-17 17-18 19-20 19-24  
20-21 21-22 22-23 22-25 23-24 25-26

exact bonds :

5-8 12-13 16-19 26-27 29-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 27-28 27-29

Match level :

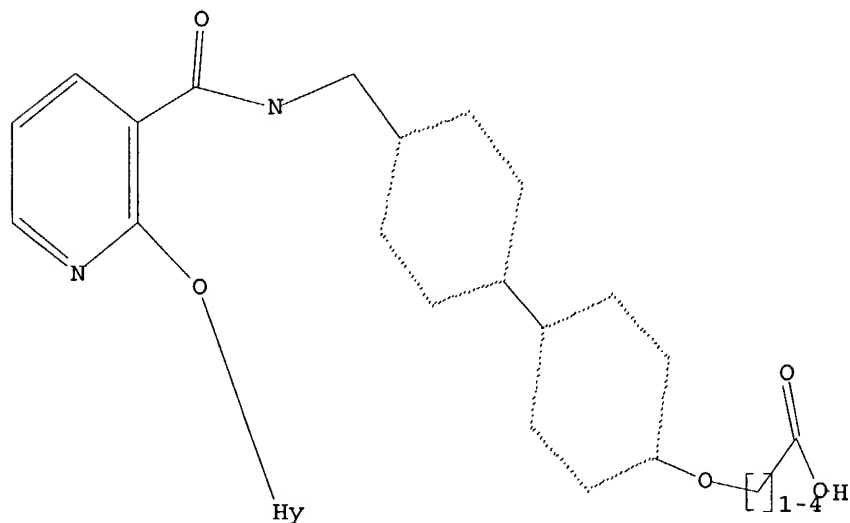
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom  
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS  
29:CLASS 30:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s11 ful

SL1 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

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=> s l1 ful

FULL SEARCH INITIATED 16:29:07 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 15 TO ITERATE

100.0% PROCESSED 15 ITERATIONS  
SEARCH TIME: 00.00.01

6 ANSWERS

L2 6 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'CAPLUS' ENTERED AT 16:29:10 ON 24 MAR 2004  
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FILE COVERS 1907 - 24 Mar 2004 VOL 140 ISS 13  
FILE LAST UPDATED: 23 Mar 2004 (20040323/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2.

L3 1 L2

=> d abs bib hitstr

10613988

3/24/2004

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The title compds. [I; g = 0-1; j = 0-1; provided that when j = 0, n must be 2; k = 0-1; m = 0-2; n = 1-2; W1 = 0, SOT (t = 0-2), NR3; W2 =

OCR9R10, or absent; Y = CR1, NOK (k = 0-1); R9, R10 = H, F, CF3, etc.; or R9 and R10 are taken together, but only in the case where m = 1, to form a spiro moiety; R7, R8 have the same meaning as R9, R10 except that one of them must be H; R1, R2 = H, F, Cl, etc.; R3 = H, alkyl, Ph, etc.; R4-R6 = H,

F, Cl, etc.; Q1 = Ph, benzodioxyl, etc.; Q2 = biaryl moiety], useful as inhibitors of PDE4 in the treatment of diseases regulated by the activation and degranulation of eosinophils, especially asthma, chronic bronchitis, and chronic obstructive pulmonary disease, were prepared

E.g., a multi-step synthesis of the amide II, starting from Me 3-bromobenzoate and 4-formylbenzenesulfonic acid, was given. Compds. I showed anti-inflammatory activity at 0.0001 µM to 20.0 µM in whole blood assay for LTE4.

AN 2002:594822 CAPLUS

DN 137:154857

TI Preparation of nicotinamide biaryl derivatives as inhibitors of PDE4 isozymes

IN Chambers, Robert James; Magee, Thomas Victor; Marfat, Anthony

PA Pfizer Products Inc., USA

SO PCT Int. Appl., 224 pp.

CODEN: PIXXD2

DT Patent

LA English

PAN CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002060875	A1	20020808	WO 2001-IB2341	20011206
WO 2002060875	C1	20030731		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1355884	A1	20031029	EP 2001-273556	20011206
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
EE 200300360	A	20031215	EE 2003-360	20011206
BR 2001016852	A	20040225	BR 2001-16852	20011206
US 2002193612	A1	20031219	US 2002-62813	20020131
US 6649633	B2	20031118		

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
US 2004048903 A1 20040311 US 2003-613988 20030702  
NO 2003003397 A 20030919 NO 2003-3397 20030730  
FRA1 US 2001-265492P P 20010131  
WO 2001-182341 W 20011206  
US 2002-62813 A3 20020131

OS MARPAT 137:154857

IT 445492-73-9P 445492-74-OP 445492-75-1P

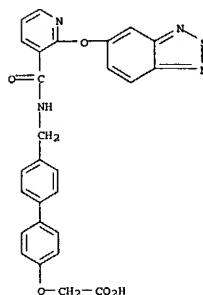
445492-76-2P 445492-93-3P 445492-94-4P

RI: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

RN (preparation of biaryl nicotinamides as inhibitors of PDE4 isoenzymes)

CN 445492-73-9 CAPLUS

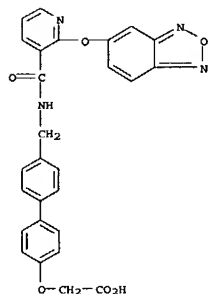
Acetic acid, [[4'-[[[2-(2,1,3-benzothiadiazol-5-yloxy)-3-pyridinyl]carbonyl]amino]methyl][1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)



RN 445492-74-0 CAPLUS

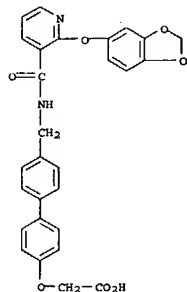
CN Acetic acid, [[4'-[[[2-(2,1,3-benzoxadiazol-5-yloxy)-3-pyridinyl]carbonyl]amino]methyl][1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 445492-75-1 CAPLUS

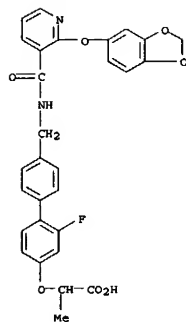
CN Acetic acid, [[4'-[[[2-(1,3-benzodioxol-5-yloxy)-3-pyridinyl]carbonyl]amino]methyl][1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)



RN 445492-76-2 CAPLUS

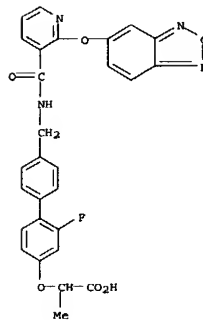
CN Propanoic acid, 2-[[[4'-[[[2-(1,3-benzodioxol-5-yloxy)-3-pyridinyl]carbonyl]amino]methyl]-2-fluoro[1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 445492-93-3 CAPLUS

CN Propanoic acid, 2-[[[4'-[[[2-(2,1,3-benzoxadiazol-5-yloxy)-3-pyridinyl]carbonyl]amino]methyl]-2-fluoro[1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)



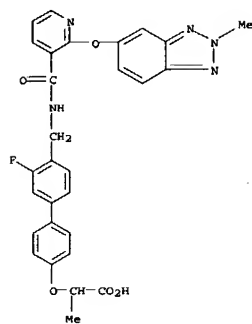
RN 445492-94-4 CAPLUS

CN Propanoic acid, 2-[[[3'-fluoro-4'-[[[2-(2-methyl-2H-benzotriazol-5-yl)oxy]-3-pyridinyl]carbonyl]amino]methyl][1,1'-biphenyl]-4-yloxy]- (9CI)

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L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
(CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> file uspatall

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.51	162.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.69	-0.69

FILE 'USPATFULL' ENTERED AT 16:31:30 ON 24 MAR 2004  
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FILE 'USPAT2' ENTERED AT 16:31:30 ON 24 MAR 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> d his

(FILE 'HOME' ENTERED AT 16:28:20 ON 24 MAR 2004)

FILE 'REGISTRY' ENTERED AT 16:28:28 ON 24 MAR 2004

L1 STRUCTURE UPLOADED  
L2 6 S L1 FUL

FILE 'CAPLUS' ENTERED AT 16:29:10 ON 24 MAR 2004

L3 1 S L2

FILE 'USPATFULL, USPAT2' ENTERED AT 16:31:30 ON 24 MAR 2004

=> s l2

L4 2 L2

=> d abs bib fhitr 1-2

3/24/2004

L4 ANSWER 1 OF 2 USPATFULL on STN

AB Compounds useful as inhibitors of PDE4 in the treatment of diseases regulated by the activation and degranulation of eosinophils, especially asthma, chronic bronchitis, and chronic obstructive pulmonary disease, of the formula: ##STR1##

where j is 0 or 1 provided that when j is 0, n must be 2; k is 0 or 1;

m is 0, 1, or 2; n is 1 or 2; W.sup.1 is --O--; or --S(.dbd.O).sub.t--; where t is 0, 1, or 2; or --N(R.sup.3)--; W.sup.2 is --O--CR.sup.AR.sup.B-- or is absent; Y is .dbd.C(R.sup.1.sub.a)-- or --[W(O).sub.k]-- where k is 0 or 1; R.sup.A and R.sup.B are --H, --F, --CF.sub.3, --(C.sub.1-C.sub.4) alkyl; --(C.sub.3-C.sub.7) cycloalkyl; phenyl; or benzyl substituted with 0 to 3 substituents R.sup.10; or R.sup.A and R.sup.B are taken together, but only in the case where m is 1, to form a spiro moiety; R.sup.C and R.sup.D have the same meaning as R.sup.A and R.sup.B except that one of them must be --H, R.sup.1 and R.sup.2 are --H, --F, --Cl, --CN, --NO.sub.2, --(C.sub.1-C.sub.4)

alkyl; --(C.sub.2-C.sub.4) alkynyl; fluorinated --(C.sub.1-C.sub.3) alkyl; --OR.sup.16; and --C(.dbd.O)NR.sup.22.sub.aR.sup.22.sub.b; R.sup.3 is --H, --(C.sub.1-C.sub.3) alkyl; phenyl; benzyl; or --OR.sup.16;

R.sup.4, R.sup.5 and R.sup.6 in addition to other meanings may be taken together to form, e.g., ##STR2##

Q.sup.1 is a saturated or unsaturated carbon ring system that is a 3- to 7-membered monocyclic, or that is a 7- to 12-membered, fused polycyclic;

provided that Q.sup.1 is not a discontinuous or restricted biaryl moiety

as defined under Q.sup.2; where optionally one carbon atom may be replaced by a heteroatom selected from N, O, and S; where optionally a second carbon atom thereof, and further optionally a third carbon atom thereof may be replaced by N; Q.sup.2 is a discontinuous or restricted biaryl moiety consisting of a saturated or unsaturated carbon ring system that is a 3- to 7-membered monocyclic, or that is a 7- to 12-membered, fused polycyclic; where optionally one carbon atom may be replaced by a heteroatom selected from N, O, and S; where optionally a second carbon atom thereof, and further optionally a third carbon atom thereof may be replaced by N; Z is selected from: ##STR3##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2002:338241 USPATFULL  
TI Nicotinamide biaryl derivatives useful as inhibitors of PDE4 isozymes  
IN Chambers, Robert J., Mystic, CT, UNITED STATES  
Marfat, Anthony, Mystic, CT, UNITED STATES  
Magee, Thomas V., Mystic, CT, UNITED STATES  
PA Pfizer Inc. (U.S. corporation)  
PI US 2002193612 A1 20021219  
US 6649633 B2 20031118  
AI US 2002-62813 A1 20020131 (10)  
PRAI US 2001-265492P 20010131 (60)  
DT Utility

L4 ANSWER 2 OF 2 USPAT2 on STN

AB This application is directed to compounds useful as inhibitors at PDE4 in the treatment of diseases regulated by the activation and degranulation of eosinophils, especially asthma, chronic bronchitis and chronic obstructive pulmonary disease, of the formula: ##STR1##

where j is 0 or 1 provided that when j is 0, n must be 2; k is 0 or 1;

m is 0, 1, or 2; n is 1 or 2; W.sup.1 is --O--; or --S(.dbd.O).sub.t--; where t is 0, 1, or 2; Y is --C(R.sup.1.sub.a)--; Q.sup.1 is phenyl or substituted phenyl; Q.sup.2 is biphenyl or substituted biphenyl; and

the remaining variables are defined as set forth in the specification. This application is also directed to pharmaceutical compositions comprising those compounds and to methods of treating diseases regulated by the activation and degranulation of eosinophils, in particular asthma, chronic bronchitis and chronic obstructive pulmonary disease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2002:338241 USPAT2  
TI Nicotinamide biaryl derivatives useful as inhibitors of PDE4 isozymes  
IN Chambers, Robert J., Mystic, CT, United States  
Marfat, Anthony, Mystic, CT, United States  
Magee, Thomas V., Mystic, CT, United States  
PA Pfizer Inc, New York, NY, United States (U.S. corporation)  
PI US 6649633 B2 20031118  
AI US 2002-62813 20020131 (10)  
PRAI US 2001-265492P 20010131 (60)  
DT Utility  
FS GRANTED

EXNAM Primary Examiner: Denai, Rita

LREP Richardson, Peter C., Beneon, Gregg C., Ronau, Robert T.

CLMN Number of Claims: 9

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 6480

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 445492-73-9P

(preparation of biaryl nicotinamides as inhibitors of PDE4 isoenzymes)

RN 445492-73-9 USPAT2

CN Acetic acid, [[4'-[[[2-(2,1,3-benzothiadiazol-5-yloxy)-3-pyridinyl]carbonyl]aminomethyl][1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 USPATFULL on STN (Continued)

FS APPLICATION  
LREP PFIZER INC, 150 EAST 42ND STREET, 5TH FLOOR - STOP 49, NEW YORK, NY, 10017-5612

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 7001

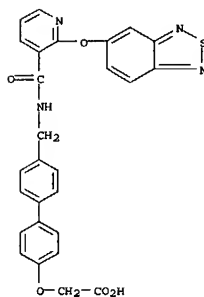
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 445492-73-9P

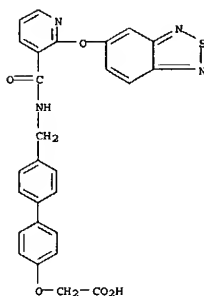
(preparation of biaryl nicotinamides as inhibitors of PDE4 isoenzymes)

RN 445492-73-9 USPATFULL

CN Acetic acid, [[4'-[[[2-(2,1,3-benzothiadiazol-5-yloxy)-3-pyridinyl]carbonyl]aminomethyl][1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 2 USPAT2 on STN (Continued)



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3/24/2004

=> logoff y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

13.62

175.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-0.69

STN INTERNATIONAL LOGOFF AT 16:32:31 ON 24 MAR 2004

10613988

3/24/2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1612rxd

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 09 CA/Caplus records now contain indexing from 1907 to the  
present  
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded  
NEWS 5 SEP 29 DISSABS now available on STN  
NEWS 6 OCT 10 PCTFULL: Two new display fields added  
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced  
NEWS 9 NOV 24 MSDS-CCOHS file reloaded  
NEWS 10 DEC 08 CABA reloaded with left truncation  
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NEWS 12 DEC 09 Experimental property data collected by CAS now available  
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NEWS 14 DEC 17 DGENE: Two new display fields added  
NEWS 15 DEC 18 BIOTECHNO no longer updated  
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer  
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NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS  
databases  
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields  
NEWS 19 DEC 22 ABI-INFORM now available on STN  
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated  
and searchable  
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in  
CA/Caplus  
NEWS 22 FEB 05 German (DE) application and patent publication number format  
changes  
NEWS 23 MAR 03 MEDLINE and LMEDLINE reloaded  
NEWS 24 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 25 MAR 03 FRANCEPAT now available on STN  
  
NEWS EXPRESS MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
specific topic.

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3/24/2004

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:28:20 ON 24 MAR 2004

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 16:28:28 ON 24 MAR 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0

DICTIONARY FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

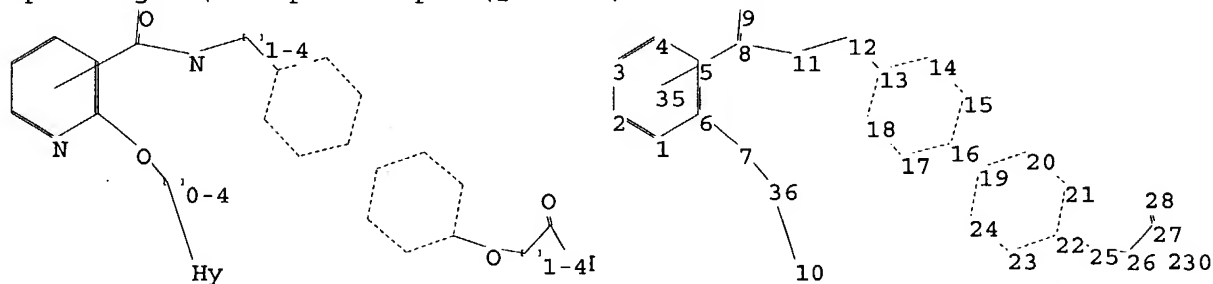
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10613988.str



chain nodes :

7 8 9 10 11 12 25 26 27 28 29 30 36

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18 19 20 21 22 23 24

10613988

3/24/2004

chain bonds :

6-7 7-36 8-11 8-9 10-36 11-12 12-13 22-25 25-26 26-27 27-28 27-29 29-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18 19-24

19-20 20-21 21-22 22-23 23-24

exact/norm bonds :

6-7 7-36 8-11 8-9 10-36 11-12 13-14 13-18 14-15 15-16 16-17 17-18 19-24

19-20 20-21 21-22 22-23 22-25 23-24 25-26

exact bonds :

12-13 26-27 29-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 27-28 27-29

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom

11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS

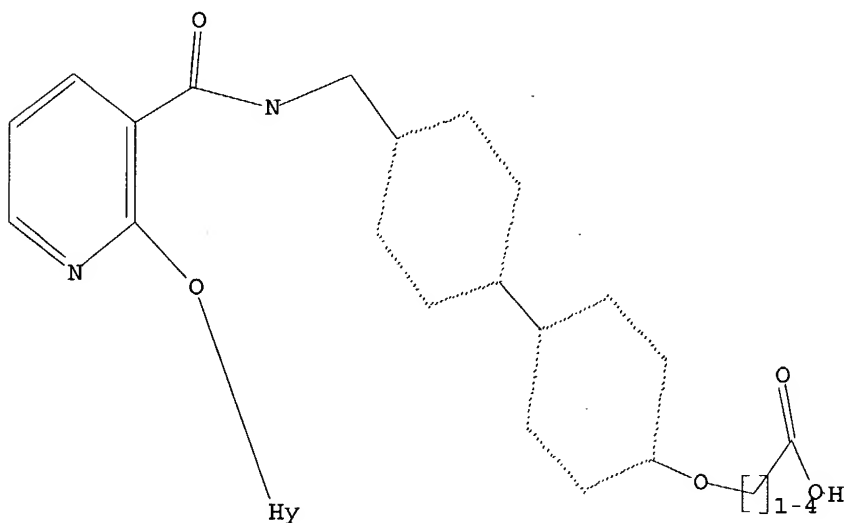
29:CLASS 30:CLASS 35:CLASS 36:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> sl1 ful

SL1 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

10613988

3/24/2004

=> s l1 ful

FULL SEARCH INITIATED 16:29:07 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 15 TO ITERATE

100.0% PROCESSED 15 ITERATIONS  
SEARCH TIME: 00.00.01

6 ANSWERS

L2 6 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'CAPLUS' ENTERED AT 16:29:10 ON 24 MAR 2004

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FILE COVERS 1907 - 24 Mar 2004 VOL 140 ISS 13

FILE LAST UPDATED: 23 Mar 2004 (20040323/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2

L3 1 L2

=> d abs bib hitstr

10613988

3/24/2004

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
G1

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The title compds. [I; g = 0-1; j = 0-1; provided that when j = 0, n must be 2; k = 0-1; m = 0-2; n = 1-2; W1 = 0, SOT (t = 0-2), NR3; W2 =

OCR9R10, or absent; Y = CR1, NOK (k = 0-1); R9, R10 = H, F, CF3, etc.; or R9 and R10 are taken together, but only in the case where m = 1, to form a spiro moiety; R7, R8 have the same meaning as R9, R10 except that one of them must be H, R1, R2 = H, F, Cl, etc.; R3 = H, alkyl, Ph, etc.; R4-R6 = H,

F, Cl, etc.; Q1 = Ph, benzodioxol, etc.; Q2 = biaryl moiety, useful as inhibitors of PDE4 in the treatment of diseases regulated by the activation and degranulation of eosinophils, especially asthma, chronic bronchitis, and chronic obstructive pulmonary disease, were prepared

E.g., a multi-step synthesis of the amide II, starting from Me 3-bromobenzoate and 4-formylbenzeneboronic acid, was given. Compd. I showed anti-inflammatory activity at 0.0001 µM to 20.0 µM in whole blood assay for LTR4.

AN 2002:594822 CAPLUS

DN 137:154857

TI Preparation of nicotinamide biaryl derivatives as inhibitors of PDE4 isozymes

IN Chambers, Robert James; Magee, Thomas Victor; Marfat, Anthony

PA Pfizer Products Inc., USA

SO PCT Int. Appl., 224 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002060875	A1	20020808	WO 2001-1B2341	20011206
WO 2002060875	C1	20030731		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: CH, CM, KE, LS, MW, NZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1355884	A1	20031029	EP 2001-273556	20011206
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EE 200300360	A	20031215	EE 2003-360	20011206
BR 2001016852	A	20040225	BR 2001-16852	20011206
US 2002193612	A1	20021219	US 2002-62813	20020131
US 6649633	B2	20031118		

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
US 2004048903 A1 20040311 US 2003-613988 20030702  
NO 2003003397 A 20030919 NO 2003-3397 20030730  
PRA1 US 2001-265492P P 20010131  
WO 2001-1B2341 W 20011206  
US 2002-62813 A3 20020131

OS MARPAT 137:154857

IT 445492-73-9P 445492-74-0P 445492-75-1P

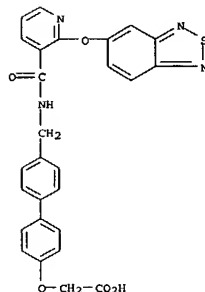
445492-76-2P 445492-93-3P 445492-94-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

RN [preparation of biaryl nicotinamides as inhibitors of PDE4 isoenzymes]

CN 445492-73-9 CAPLUS

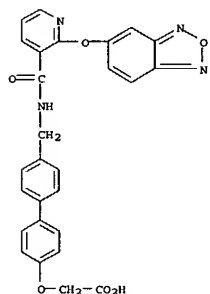
Acetic acid, [4'-[[[2-(2,1,3-benzothiadiazol-5-yloxy)-3-pyridinyl]carbonyl]amino]methyl][1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)



RN 445492-74-0 CAPLUS

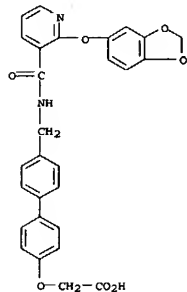
CN Acetic acid, [4'-[[[2-(2,1,3-benzoxadiazol-5-yloxy)-3-pyridinyl]carbonyl]amino]methyl][1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 445492-75-1 CAPLUS

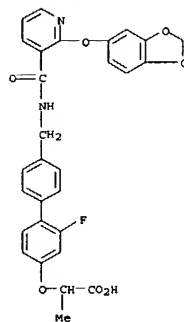
CN Acetic acid, [4'-[[[2-(1,3-benzodioxol-5-yloxy)-3-pyridinyl]carbonyl]amino]methyl][1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)



RN 445492-76-2 CAPLUS

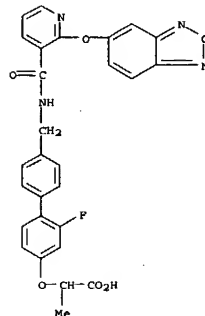
CN Propanoic acid, 2-[[4'-[[[2-(1,3-benzodioxol-5-yloxy)-3-pyridinyl]carbonyl]amino]methyl]-2-fluoro[1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 445492-93-3 CAPLUS

CN Propanoic acid, 2-[[4'-[[[2-(2,1,3-benzoxadiazol-5-yloxy)-3-pyridinyl]carbonyl]amino]methyl]-2-fluoro[1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)



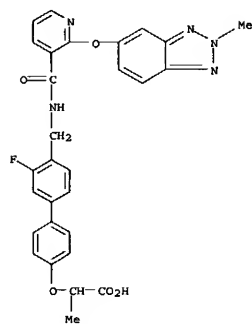
RN 445492-94-4 CAPLUS

CN Propanoic acid, 2-[[3'-fluoro-4'-[[[2-[[2-methyl-2H-benzotriazol-5-yl]oxy]-3-pyridinyl]carbonyl]amino]methyl][1,1'-biphenyl]-4-yloxy]- (9CI)

10613988

3/24/2004

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)  
(CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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3/24/2004

=> file uspatall

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.51	162.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.69	-0.69

FILE 'USPATFULL' ENTERED AT 16:31:30 ON 24 MAR 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 16:31:30 ON 24 MAR 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> d his

(FILE 'HOME' ENTERED AT 16:28:20 ON 24 MAR 2004)

FILE 'REGISTRY' ENTERED AT 16:28:28 ON 24 MAR 2004

L1               STRUCTURE UPLOADED  
L2               6 S L1 FUL

FILE 'CAPLUS' ENTERED AT 16:29:10 ON 24 MAR 2004

L3               1 S L2

FILE 'USPATFULL, USPAT2' ENTERED AT 16:31:30 ON 24 MAR 2004

=> s l2

L4               2 L2

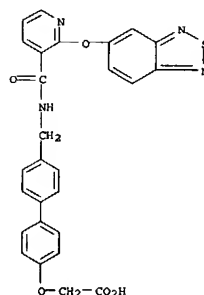
=> d abs bib fhitr 1-2



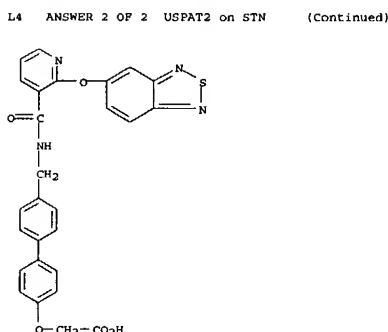
3/24/2004

L4 ANSWER 1 OF 2 USPATFULL on STN  
 AB Compounds useful as inhibitors of PDE4 in the treatment of diseases regulated by the activation and degranulation of eosinophils, especially asthma, chronic bronchitis, and chronic obstructive pulmonary disease, of the formula: ##STR1##  
 where j is 0 or 1 provided that when j is 0, n must be 2; k is 0 or 1; m is 0, 1, or 2; n is 1 or 2; W.sup.1 is --O--; or --S(.dbd.O).sub.t--; where t is 0, 1, or 2; or --N(R.sup.3)--; W.sup.2 is --O--CR.sup.A.R.sup.B-- or is absent; Y is .dbd.C(R.sup.1.sub.a)-- or --[N(O).sub.k]-- where k is 0 or 1; R.sup.A and R.sup.B are --H; --F; --CF.sub.3; --(C.sub.1-C.sub.4) alkyl; --(C.sub.3-C.sub.7) cycloalkyl; phenyl; or benzyl substituted with 0 to 3 substituents R.sup.10; or R.sup.A and R.sup.B are taken together, but only in the case where m is 1, to form a spiro moiety; R.sup.C and R.sup.D have the same meaning as R.sup.A and R.sup.B except that one of them must be --H, R.sup.1 and R.sup.2 are --H; --F; --Cl; --CN; --NO.sub.2; --(C.sub.1-C.sub.4) alkyl; --(C.sub.2-C.sub.4) alkynyl; fluorinated --(C.sub.1-C.sub.3) alkyl; --OR.sup.16; and --C(.dbd.O)NR.sup.22.sub.aR.sup.22.sub.b; R.sup.3 is --H; --(C.sub.1-C.sub.3) alkyl; phenyl; benzyl; or --OR.sup.16;  
 R.sup.4, R.sup.5 and R.sup.6 in addition to other meanings may be taken together to form, e.g., ##STR2##  
 Q.sup.1 is a saturated or unsaturated carbon ring system that is a 3- to 7-membered monocyclic, or that is a 7- to 12-membered, fused polycyclic; provided that Q.sup.1 is not a discontinuous or restricted biaryl moiety as defined under Q.sup.2; where optionally one carbon atom may be replaced by a heteroatom selected from N, O, and S; where optionally a second carbon atom thereof, and further optionally a third carbon atom thereof may be replaced by N; Q.sup.2 is a discontinuous or restricted biaryl moiety consisting of a saturated or unsaturated carbon ring system that is a 3- to 7-membered monocyclic, or that is a 7- to 12-membered, fused polycyclic; where optionally one carbon atom may be replaced by a heteroatom selected from N, O, and S; where optionally a second carbon atom thereof, and further optionally a third carbon atom thereof may be replaced by N; Z is selected from: ##STR3##  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AN 2002:338241 USPATFULL  
 TI Nicotinamide biaryl derivatives useful as inhibitors of PDE4 isozymes  
 IN Chambers, Robert J., Mystic, CT, UNITED STATES  
 Marfat, Anthony, Mystic, CT, UNITED STATES  
 Magee, Thomas V., Mystic, CT, UNITED STATES  
 PA Pfizer Inc. (U.S. corporation)  
 PI US 2002193612 A1 20021219  
 US 6649633 B2 20031118  
 AI US 2002-62813 A1 20020131 (10)  
 PRAI US 2001-265492P 20010131 (60)  
 DT Utility

L4 ANSWER 1 OF 2 USPATFULL on STN (Continued)  
 FS APPLICATION  
 LREP PFIZER INC, 150 EAST 42ND STREET, 5TH FLOOR - STOP 49, NEW YORK, NY, 10017-5612  
 CLMW Number of Claims: 18  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 7001  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 IT 445492-73-9P  
 (preparation of biaryl nicotinamides as inhibitors of PDE4 isoenzymes)  
 RN 445492-73-9 USPATFULL  
 CN Acetic acid, [[4'-[[[2-(2,1,3-benzothiadiazol-5-yloxy)-3-pyridinyl]carbonylamino]methyl][1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 2 USPAT2 on STN  
 AB This application is directed to compounds useful as inhibitors at PDE4 in the treatment of diseases regulated by the activation and degranulation of eosinophils, especially asthma, chronic bronchitis and chronic obstructive pulmonary disease, of the formula: ##STR1##  
 where j is 0 or 1 provided that when j is 0, n must be 2; k is 0 or 1; m is 0, 1, or 2; n is 1 or 2; W.sup.1 is --O--; or --S(.dbd.O).sub.t--; where t is 0, 1, or 2; Y is --C(R.sup.1.sub.a)--; Q.sup.1 is phenyl or substituted phenyl; Q.sup.2 is biphenyl or substituted biphenyl; and the remaining variables are defined as set forth in the specification. This application is also directed to pharmaceutical compositions comprising those compounds and to methods of treating diseases regulated by the activation and degranulation of eosinophils, in particular asthma, chronic bronchitis and chronic obstructive pulmonary disease.  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AN 2002:338241 USPAT2  
 TI Nicotinamide biaryl derivatives useful as inhibitors of PDE4 isozymes  
 IN Chambers, Robert J., Mystic, CT, United States  
 Marfat, Anthony, Mystic, CT, United States  
 Magee, Thomas V., Mystic, CT, United States  
 PA Pfizer Inc, New York, NY, United States (U.S. corporation)  
 PI US 6649633 B2 20031118  
 AI US 2002-62813 20020131 (10)  
 PRAI US 2001-265492P 20010131 (60)  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Desai, Rita  
 LREP Richardson, Peter C., Benson, Gregg C., Ronau, Robert T.  
 CLMW Number of Claims: 9  
 ECL Exemplary Claim: 1  
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
 LN.CNT 6480  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 IT 445492-73-9P  
 (preparation of biaryl nicotinamides as inhibitors of PDE4 isoenzymes)  
 RN 445492-73-9 USPAT2  
 CN Acetic acid, [[4'-[[[2-(2,1,3-benzothiadiazol-5-yloxy)-3-pyridinyl]carbonylamino]methyl][1,1'-biphenyl]-4-yloxy]- (9CI) (CA INDEX NAME)



3/24/2004

=> logoff y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

13.62

175.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-0.69

STN INTERNATIONAL LOGOFF AT 16:32:31 ON 24 MAR 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal612rxd

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the  
present  
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded  
NEWS 5 SEP 29 DISSABS now available on STN  
NEWS 6 OCT 10 PCTFULL: Two new display fields added  
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced  
NEWS 9 NOV 24 MSDS-CCOHS file reloaded  
NEWS 10 DEC 08 CABA reloaded with left truncation  
NEWS 11 DEC 08 IMS file names changed  
NEWS 12 DEC 09 Experimental property data collected by CAS now available  
in REGISTRY  
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPLUS  
NEWS 14 DEC 17 DGENE: Two new display fields added  
NEWS 15 DEC 18 BIOTECHNO no longer updated  
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer  
available  
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS  
databases  
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields  
NEWS 19 DEC 22 ABI-INFORM now available on STN  
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated  
and searchable  
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in  
CA/CAPLUS  
NEWS 22 FEB 05 German (DE) application and patent publication number format  
changes

10613988

3/24/2004

NEWS 23 MAR 03 MEDLINE and LMEDLINE reloaded  
NEWS 24 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 25 MAR 03 FRANCEPAT now available on STN

NEWS EXPRESS MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:34:59 ON 24 MAR 2004

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:35:09 ON 24 MAR 2004

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provided by InfoChem.

STRUCTURE FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0  
DICTIONARY FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

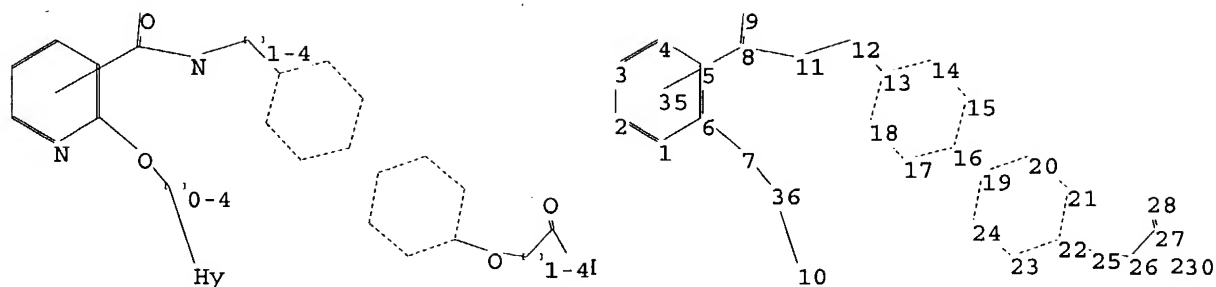
Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10613988.str

10613988

3/24/2004



chain nodes :

7 8 9 10 11 12 25 26 27 28 29 30 36

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18 19 20 21 22 23 24

chain bonds :

6-7 7-36 8-11 8-9 10-36 11-12 12-13 22-25 25-26 26-27 27-28 27-29 29-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18 19-24

19-20 20-21 21-22 22-23 23-24

exact/norm bonds :

6-7 7-36 8-11 8-9 10-36 11-12 13-14 13-18 14-15 15-16 16-17 17-18 19-24

19-20 20-21 21-22 22-23 22-25 23-24 25-26

exact bonds :

12-13 26-27 29-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 27-28 27-29

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom

11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS

29:CLASS 30:CLASS 35:CLASS 36:CLASS

L1 STRUCTURE UPLOADED

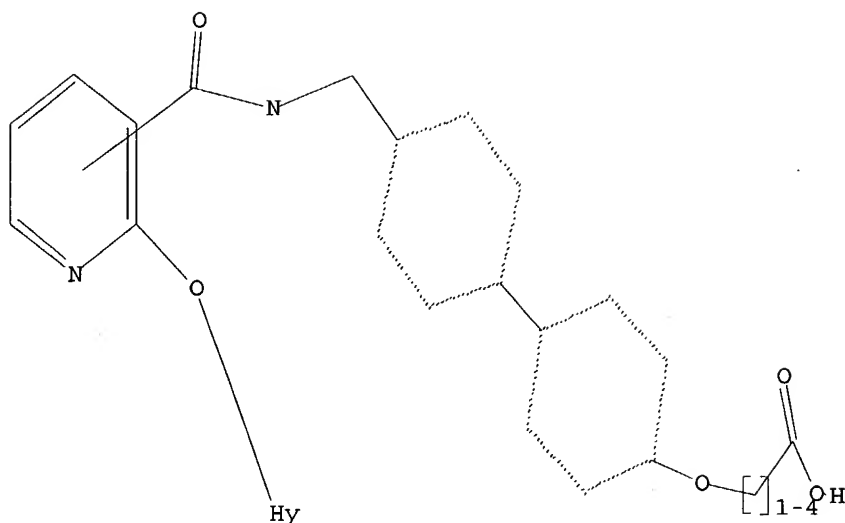
=> d l1

L1 HAS NO ANSWERS

L1 STR

10613988

3/24/2004



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 16:35:42 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 0 TO 0  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 16:35:46 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 27 TO ITERATE

100.0% PROCESSED 27 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	156.26	156.47

FILE 'REGISTRY' ENTERED AT 16:37:06 ON 24 MAR 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

10613988

3/24/2004

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STRUCTURE FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0  
DICTIONARY FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

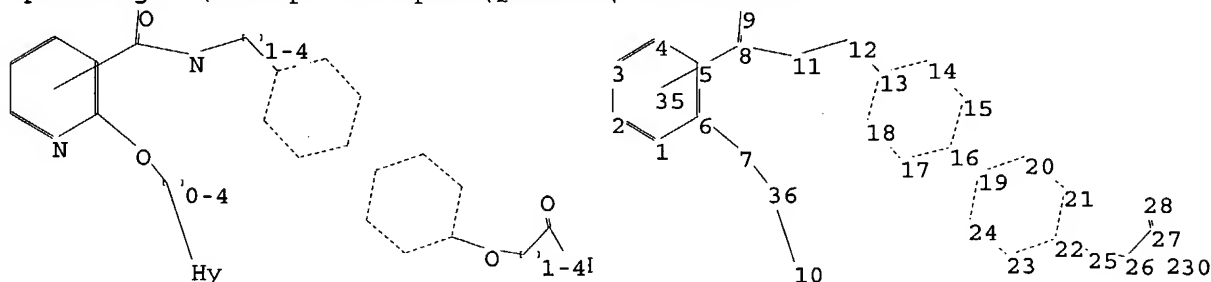
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10613988.str



chain nodes :

7 8 9 10 11 12 25 26 27 28 29 30 36

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18 19 20 21 22 23 24

chain bonds :

6-7 7-36 8-11 8-9 10-36 11-12 12-13 22-25 25-26 26-27 27-28 27-29 29-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18 19-24

19-20 20-21 21-22 22-23 23-24

exact/norm bonds :

6-7 7-36 8-11 8-9 10-36 11-12 13-14 13-18 14-15 15-16 16-17 17-18 19-24

19-20 20-21 21-22 22-23 22-25 23-24 25-26

exact bonds :

12-13 26-27 29-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 27-28 27-29

Match level :

10613988

3/24/2004

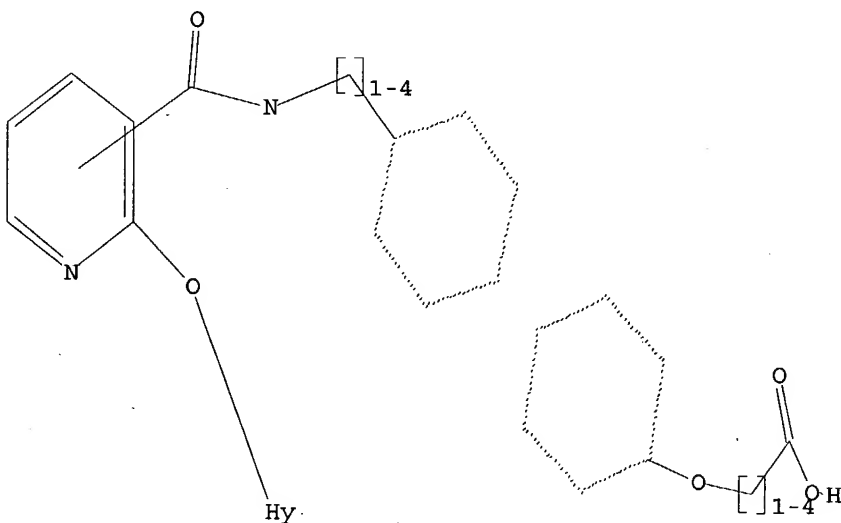
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom  
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS  
29:CLASS 30:CLASS 35:CLASS 36:CLASS

L4 STRUCTURE UPLOADED

=> d l4

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4

SAMPLE SEARCH INITIATED 16:37:48 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 21 TO ITERATE

100.0% PROCESSED 21 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 146 TO 694

PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s l4 ful

FULL SEARCH INITIATED 16:37:53 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 408 TO ITERATE

10613988

3/24/2004

100.0% PROCESSED 408 ITERATIONS  
SEARCH TIME: 00.00.01

0 ANSWERS

L6 0 SEA SSS FUL L4

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

156.26

312.73

FILE 'REGISTRY' ENTERED AT 16:39:02 ON 24 MAR 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0

DICTIONARY FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

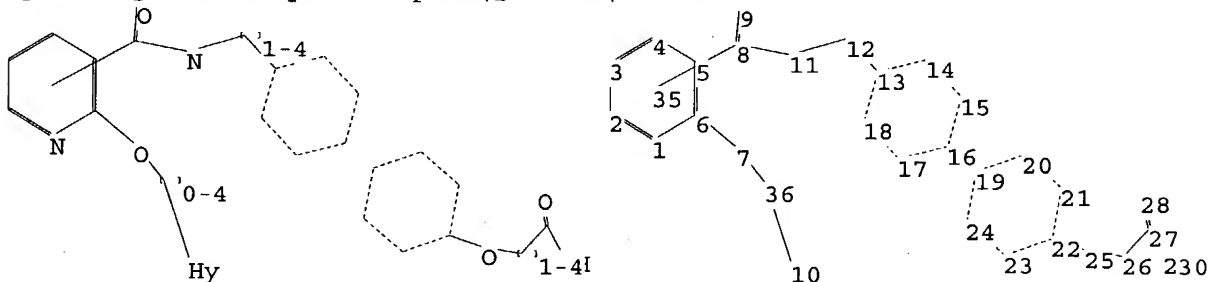
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10613988.str



chain nodes :

7 8 9 10 11 12 25 26 27 28 29 30 36

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18 19 20 21 22 23 24

chain bonds :

6-7 7-36 8-11 8-9 10-36 11-12 12-13 22-25 25-26 26-27 27-28 27-29 29-30

10613988



3/24/2004

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18 19-24  
19-20 20-21 21-22 22-23 23-24

exact/norm bonds :

6-7 7-36 8-11 8-9 10-36 11-12 13-14 13-18 14-15 15-16 16-17 17-18 19-24  
19-20 20-21 21-22 22-23 22-25 23-24 25-26

exact bonds :

12-13 26-27 29-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 27-28 27-29

Match level :

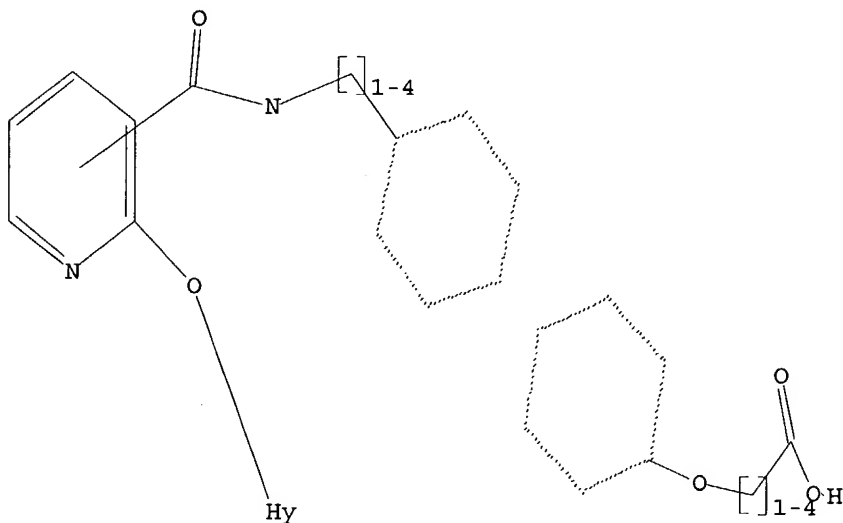
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom  
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS  
29:CLASS 30:CLASS 35:CLASS 36:CLASS

L7 STRUCTURE UPLOADED

=> d 17

L7 HAS NO ANSWERS

L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 17

SAMPLE SEARCH INITIATED 16:39:40 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 21 TO ITERATE

100.0% PROCESSED

21 ITERATIONS

0 ANSWERS

10613988

3/24/2004

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 146 TO 694  
PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> s 17 ful

FULL SEARCH INITIATED 16:39:45 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 408 TO ITERATE

100.0% PROCESSED 408 ITERATIONS 7 ANSWERS  
SEARCH TIME: 00.00.01

L9 7 SEA SSS FUL L7

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	468.15

FILE 'CAPLUS' ENTERED AT 16:39:50 ON 24 MAR 2004  
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FILE COVERS 1907 - 24 Mar 2004 VOL 140 ISS 13  
FILE LAST UPDATED: 23 Mar 2004 (20040323/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 19

L10 1 L9

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.88	469.03

FILE 'REGISTRY' ENTERED AT 16:41:08 ON 24 MAR 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0

DICTIONARY FILE UPDATES: 23 MAR 2004 HIGHEST RN 666817-09-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

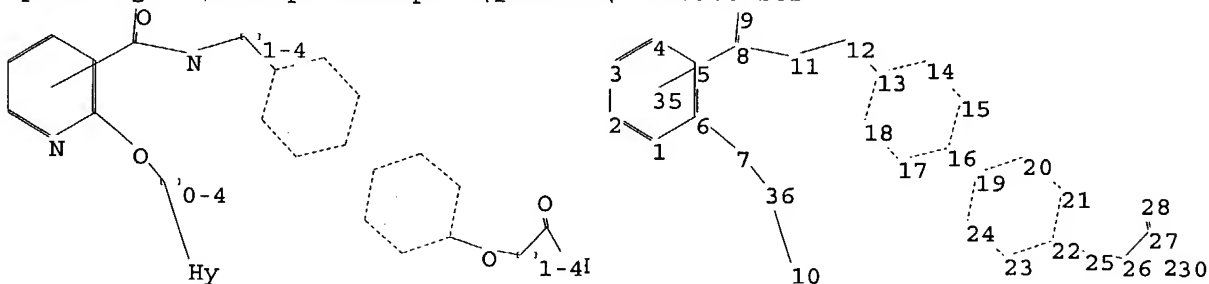
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10613988.str



chain nodes :

7 8 9 10 11 12 25 26 27 28 29 30 36

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18 19 20 21 22 23 24

chain bonds :

6-7 7-36 8-11 8-9 10-36 11-12 12-13 22-25 25-26 26-27 27-28 27-29 29-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18 19-24  
19-20 20-21 21-22 22-23 23-24

exact/norm bonds :

6-7 7-36 8-11 8-9 10-36 11-12 13-14 13-18 14-15 15-16 16-17 17-18 19-24  
19-20 20-21 21-22 22-23 22-25 23-24 25-26

exact bonds :

12-13 26-27 29-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 27-28 27-29

Match level :

10613988

3/24/2004

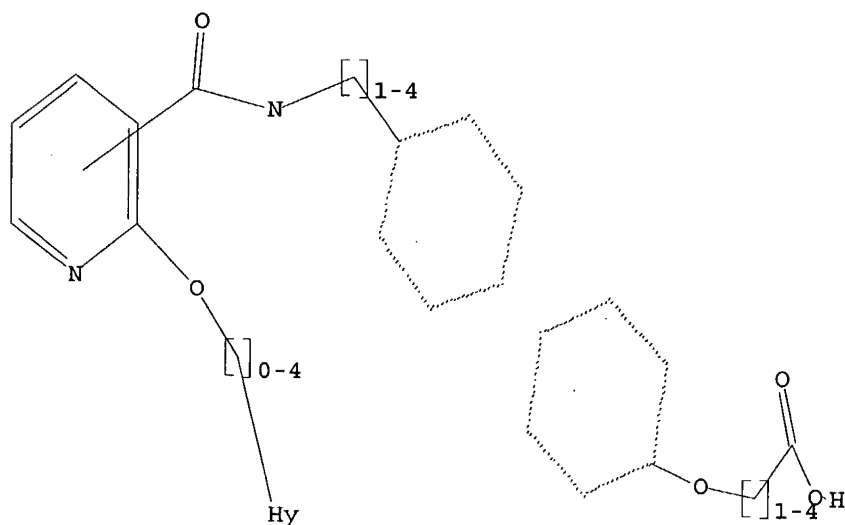
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom  
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS  
29:CLASS 30:CLASS 35:CLASS 36:CLASS

L11 STRUCTURE UPLOADED

=> d l11

L11 HAS NO ANSWERS

L11 . STR



Structure attributes must be viewed using STN Express query preparation.

=> s l11

SAMPLE SEARCH INITIATED 16:41:36 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 24 TO ITERATE

100.0% PROCESSED 24 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 187 TO 773

PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

=> s l11 ful

FULL SEARCH INITIATED 16:41:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 453 TO ITERATE

10613988

3/24/2004

100.0% PROCESSED 453 ITERATIONS  
SEARCH TIME: 00.00.01

7 ANSWERS

L13 7 SEA SSS FUL L11

=> logoff y

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

155.42

624.45

STN INTERNATIONAL LOGOFF AT 16:41:47 ON 24 MAR 2004

10613988